

Converting Colors

$Y_{xy}(37.2512, 0.2873, 0.3759)$

Have a look what the booklet for
Yxy(37.2512, 0.2873, 0.3759)
contains.

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Color

Yxy(37.0792, 0.2876, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	77B093
RGB	119, 176, 147
RGB Percent	47%, 69%, 58%
CMY	0.5334, 0.3098, 0.4235
CMYK	0.32, 0.00, 0.16, 0.31
HSL	149°, 27%, 58%
HSV	149°, 32%, 69%
XYZ	28.3994, 37.0792, 33.2676
YIQ	155.6510, -24.6630, -21.1030

Conversions

Conversions Part 2

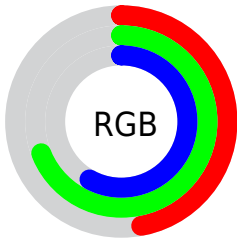
Format	Color
RYB	119, 157, 176
Decimal	7843987
CIELab	67.34, -24.94, 8.98
CIElCh	67, 26.508, 160.202
Yxy	37.0792, 0.2876, 0.3755
Android (android.graphics.Color)	4286034067 (0xFF77B093)
YUV	155.6510, -4.2649, -32.1429
Hunter-Lab	60.8927, -23.3126, 10.2329

Details

The Yxy color **37.0792, 0.2876, 0.3755** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.5607, 0.3487, 0.2870**, and the grayscale version is **33.1101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8145, 0.2928, 0.3662**, and **16.2394, 0.2796, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **35.6785, 0.2811, 0.3929**, and if you desaturate by 10%, it is **38.7355, 0.2949, 0.3595**.

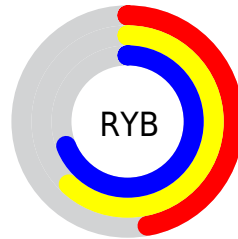
Distribution



Red (47%)

Green (69%)

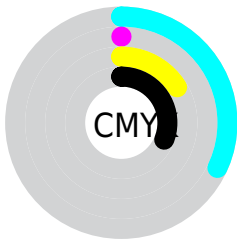
Blue (58%)



Red (47%)

Yellow (62%)

Blue (69%)

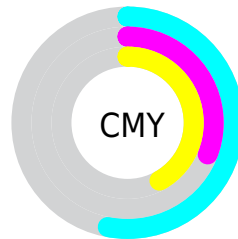


Cyan (32%)

Magenta (0%)

Yellow (16%)

Black (31%)



Cyan (53%)


Magenta (31%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0792, 0.2876, 0.3755 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 37.0792, 0.2876, 0.3755 by changing the saturation by 10% instead.


 37.0792, 0.2876,
0.3755


 37.0792, 0.2876,
0.3755


333.6533, 0.3010,
0.3506


 25.2688, 0.2840,
0.3823


 70.6946, 0.2927,
0.3660

 16.2774, 0.2791,
0.3914


 93.2684, 0.2945,
0.3626

 9.7207, 0.2723,
0.4043


 120.1987, 0.2960,
0.3598

 5.2142, 0.2620,
0.4237

151.8701, 0.2973,
0.3574

 2.3735, 0.2449,
0.4565

188.6668, 0.2984,
0.3553

 0.8122, 0.1324,
0.6593

230.9734, 0.2994,

 0.0000, 0.0000,

0.3535

0.0000

279.1740, 0.3002,
0.3520

■ 37.0792, 0.2876,
0.3755

■ 37.0792, 0.2876,
0.3755

■ 35.6785, 0.2811,
0.3929

■ 38.7355, 0.2949,
0.3595

■ 34.5154, 0.2757,
0.4114

■ 40.6549, 0.3027,
0.3450

■ 33.5771, 0.2718,
0.4308


■ 42.8505, 0.3108,
0.3319


■ 32.8474, 0.2696,
0.4506


■ 45.3330, 0.3189,
0.3203

■ 32.3078, 0.2693,
0.4702

■ 48.1126, 0.3270,
0.3100


 31.9365, 0.2709,
0.4892

 51.1989, 0.3348,
0.3009

 31.7321, 0.2731,
0.5030

 54.6011, 0.3424,
0.2930

 57.4067, 0.3456,
0.2855

 57.8899, 0.3381,
0.2768

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0792, 0.3269, 0.3982



37.0792, 0.2876, 0.3755



37.0792, 0.2563, 0.3382

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.0792, 0.2876, 0.3755



37.0792, 0.2611, 0.2642



37.0792, 0.3911, 0.3491

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.0792, 0.2876, 0.3755



24.5607, 0.3487, 0.2870

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.0792, 0.3714, 0.3166



37.0792, 0.2876, 0.3755



37.0792, 0.2946, 0.2696

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.0792, 0.2876, 0.3755



37.0792, 0.2420, 0.2747



37.0792, 0.3352, 0.2883



37.0792, 0.3880, 0.3791

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.0792, 0.2876, 0.3755



37.0792, 0.2437, 0.3124



37.0792, 0.3352, 0.2883



37.0792, 0.3869, 0.3382

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.0807, 0.2876, 0.3755



74.5694, 0.3045, 0.3419



38.7219, 0.3344, 0.4157



16.0474, 0.3034, 0.3438



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.0807, 0.2876, 0.3755



65.3506, 0.2828, 0.3880



38.0711, 0.2679, 0.3303



9.5574, 0.3052, 0.3408



23.2930, 0.2725, 0.5011



0.7447, 0.2580, 0.4489

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.5607, 0.3487, 0.2870



39.0197, 0.3600, 0.2773



23.7777, 0.3845, 0.3278



8.5750, 0.3210, 0.3175



7.3197, 0.4893, 0.2469



0.2421, 0.4304, 0.2145

Previews

White Background



This preview shows how the Yxy color 37.0792, 0.2876, 0.3755 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 37.0792, 0.2876, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

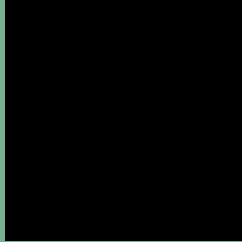
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0792, 0.2876, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 37.0792, 0.2876, 0.3755.



This preview shows how white text looks on a background with the Yxy color 37.0792, 0.2876, 0.3755.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.0792, 0.2876, 0.3755

Protanopia

36.7458, 0.3413, 0.3622

Deuteranopia

36.8784, 0.3452, 0.3387



Tritanopia

37.0985, 0.2666, 0.3094

Trichromacy



Original Color

37.0792, 0.2876, 0.3755

Protanomaly

36.6638, 0.3192, 0.3668

Deuteranomaly

36.5859, 0.3211, 0.3511

Tritanomaly

37.1125, 0.2738, 0.3320

Monochromacy



Original Color

37.0792, 0.2876, 0.3755

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.3339, 0.3027, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0792, 0.2876, 0.3755 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(119, 176, 147)` looks like.

```
.text, #text, p{  
    color:rgb(119, 176, 147)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(119, 176, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 176, 147) }
```

Border

The CSS property to change the border of an element to Yxy 37.0792, 0.2876, 0.3755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 176, 147) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(119, 176, 147) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(119, 176, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 176, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 176, 147);  
box-shadow:4px 4px 4px 4px rgb(119, 176,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0792, 0.2876, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 176, 147) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(119,  
176, 147) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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